

**2010 Oilseed-Confectionary Rainfed
Sunflower Hybrid Trial, Lubbock, TX**

Planted May 20; harvested October 4, 2010; Feb.-April rainfall, 8.9"; May-August rainfall, 9.7"

Company or Brand	Hybrid	Hybrid Type†	Price per Cwt.‡	Days to Half Bloom	Plant Height (inches)	Avg. Plants/acre	Oil Content %	%Seed Retained Over Screen		Seed Yield @10% H2O (lbs./A)	Test Weight (lbs./bu)	Crop Value¶ (\$/Acre)
								>22/64"	>20/64"			
Croplan	CG 559 CL DMR NS	Oil--Nu, CL	\$ 15.25	61	71	15,700	38.5			2,584	31.0	\$ 382
Mycogen	8H449DM	Oil--HO	\$ 16.25	59	68	16,300	42.2			2,483	31.5	\$ 421
Seeds 2000	Firebird	Oil--NS, EX	\$ 15.25	61	62	14,400	35.9			2,072	27.1	\$ 290
Syngenta	3845HO	Oil--HO	\$ 16.25	56	54	12,800	40.9			2,106	30.8	\$ 349
Triumph	664	Oil--Nu	\$ 15.25	61	72	10,700	38.9			2,173	29.9	\$ 323
Triumph	s668	Oil--Nu, SS	\$ 15.25	60	47	15,300	39.3			2,214	30.9	\$ 333
Red River	2215	Conf	\$27/15	62	71	11,800		67.1	83.5	2,268	21.5	\$ 568
Seeds 2000	Panther II	Conf	\$27/15	58	62	11,300		71.3	82.8	2,116	17.7	\$ 526
Triumph	768C	Conf	\$27/15	62	74	10,700		81.9	91.4	1,778	18.3	\$ 462

Overall Average--Oilseed	59		14,200	39.4			2,272	30.0	\$ 343
Overall Average--Confectionary	61		11,300		73.4	85.9	2,054	19.2	\$ 519

P-Value (Hybrid)	<0.0001	<0.0001	0.0385	0.0012	0.0517	0.641	0.0021	<0.0001	<0.0001
Fisher's Protected LSD (0.05)§	2	3	4,100	2.3	NS	NS	312	1.1	\$ 65
Coefficient of Variation (%CV)	3.6	14.1	25.6	5.9	12.8	7	13.2	20.9	24.4

†Nu = NuSun mid-oleic, HO = high oleic, CL = Clearfield herbicide tolerant, EX = Express herbicide tolerant, SS = short stature

‡Typical market pricing in 2010 for Texas High Plains.

¶Oilseed--2:1 premium/discount vs. 40% oil.

§Numbers in same column that vary by more than least sig. difference are significantly different at 95% confidence level (NS, not significant).

Trial Notes: This trial was planted with selected hybrids from the nearby irrigated confectionary and oilseed tests. Exceptional rainfall prior to planting as well as large rains in early July contributed to high yields. This was achieved with low plant populations that are suitable for dryland in West Texas. The purpose of this test was to generate some yield data from dryland conditions, however, the amount of rainfall received makes these yields on the order of twice what would normally be expected in dryland. Light to moderate head moth pressure was observed and all plots were sprayed at least twice.

For further info. about this test and for sunflower production resources for Texas contact Extension agronomist Dr. Calvin Trostle, Lubbock, (806) 746-6101, ctrostle@ag.tamu.edu, or visit <http://lubbock.tamu.edu/sunflower>

For further info. about the Texas AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu>